ProQuest®

Results – powered by ProQuest® Smart Search

Suggested Topics About < Previous | Next >

Models
Models AND Engines
Models AND Performance evaluation

1 document found for: *engine performance and model and estimator* » Refine Search | Set Up Alert

Dissertations

Mark all 0 marked items: Email / Cite / Export Show only full text Sort results by: Most recent first

1. **Air fuel ratio control of spark-ignition engines using sliding modes**
by *Mehrotra, Rahul*, M.Sc., **University of Calgary (Canada)**, 1998, 139 pages; AAT MQ31398

Abstract 24 Page Preview Page Image - PDF Order a copy

1-1 of 1

Want to be notified of new results for this search? Set Up Alert Results per page: 30

Basic Search

Tools: Search Tips Browse Topics 1 Recent Searches

engine performance and model and estimator Search Clear

Database: Multiple databases... Select multiple databases

Date range: All dates

Limit results to: Full text documents only

Scholarly journals, including peer-reviewed About

More Search Options

Text-only interface

ProQuest

results **1 - 23**

23 Articles Found

pub-date > 1994 and engine performance and estimator and model

1. **Multi-objective model-based control for an automotive catalyst** • ARTICLE
Journal of Process Control, Volume 16, Issue 1, January 2006, Pages 27-35
Kenneth R. Muske and James C. Peyton Jones
Abstract

2. **Prediction of the distillation profile and cold properties of diesel fuels using mid-IR spectroscopy and neural networks** • ARTICLE
Fuel, In Press, Corrected Proof, Available online 25 October 2005,
N. Pasadakis, S. Sourligas and Ch. Foteinopoulos
SummaryPlus | Full Text + Links | PDF (152 K)

3. **Prediction of automotive engine power and torque using least squares support vector machines and Bayesian inference** • ARTICLE
Engineering Applications of Artificial Intelligence, In Press, Corrected Proof, Available online 21 October 2005,
Chi-Man Vong, Pak-Kin Wong and Yi-Ping Li
Abstract

4. **Enhancement of the accuracy of the (P–ω) method through the implementation of a nonlinear robust observer** • ARTICLE
Journal of Sound and Vibration, In Press, Corrected Proof, Available online 9 September 2005,
G.A. Kfoury, N.G. Chalhoub, N.A. Henein and W. Bryzik
Abstract

5. **A comparison of two adaptive algorithms for the control of active engine mounts** • ARTICLE
Journal of Sound and Vibration, Volume 286, Issues 1-2, 23 August 2005, Pages 37-54
A.J. Hillis, A.J.L. Harrison and D.P. Stoten
Abstract

6. **Hierarchical constraint transformation based on genetic optimization for analog system synthesis** • ARTICLE
Integration, the VLSI Journal, In Press, Corrected Proof, Available online 22 August 2005,
Nagu Dhanwada, Alex Doboli, Adrian Nunez-Aldana and Ranga Vemuri

Abstract

7. **Advanced controller design for aircraft gas turbine engines** • ARTICLE
Control Engineering Practice, Volume 13, Issue 8, August 2005, Pages 1001-1015
Junxia Mu, David Rees and G.P. Liu
Abstract

8. **Liquid-propellant rocket engines health-monitoring—a survey** • ARTICLE
Acta Astronautica, Volume 56, Issue 3, February 2005, Pages 347-356
Jianjun Wu
Abstract

9. **Non-linear modeling of micro-turbines using NARX structures on the distribution feeder** • ARTICLE
Energy Conversion and Management, Volume 46, Issue 3, February 2005, Pages 385-401
Francisco Jurado
Abstract

10. **Fault detection and isolation of systems with slowly varying parameters—simulation with a simplified aircraft turbo engine model** • ARTICLE
Mechanical Systems and Signal Processing, Volume 18, Issue 2, March 2004, Pages 353-366
Xuekui Wu and Guy Campion
Abstract

11. **"Attack or convert?": early evidence from European on-line banking** • ARTICLE
Omega, Volume 32, Issue 1, February 2004, Pages 1-7
Jacques Bughin
Abstract

12. **Application of input estimation techniques to charge estimation and control in automotive engines** • ARTICLE
Control Engineering Practice, Volume 10, Issue 12, December 2002, Pages 1371-1383
Alexander Stotsky and Ilya Kolmanovsky
Abstract

13. **Extraction of peak pressure position information from the spark-plug ionization signal** • ARTICLE
Computer Standards & Interfaces, Volume 24, Issue 2, June 2002, Pages 161-170
Yassir Moudden, Abd-Krim Seghouane and Olivier Boubal
SummaryPlus | Full Text + Links | PDF (208 K)

14. **Novel approach for improving power-plant availability using advanced engine diagnostics** • ARTICLE
Applied Energy, Volume 72, Issue 1, May 2002, Pages 389-407
Stephen Ogaji, Suresh Sampath, Riti Singh and Douglas Probert
Abstract

15. **Information navigation on the web by clustering and summarizing query results** • ARTICLE
Information Processing & Management, Volume 37, Issue 6, November 2001, Pages 789-816
Dmitri G. Roussinov and Hsinchun Chen
Abstract

16. **Constructive nonlinear control: a historical perspective** • ARTICLE
Automatica, Volume 37, Issue 5, May 2001, Pages 637-662
Petar Kokotović and Murat Arcak
Abstract

17. **Application of system identification techniques to aircraft gas turbine engines** • ARTICLE
Control Engineering Practice, Volume 9, Issue 2, February 2001, Pages 135-148
C. Evans, P. J. Fleming, D. C. Hill, J. P. Norton, I. Pratt, D. Rees and K. Rodríguez-Vázquez
Abstract

18. **Towards a real-time microscopic emissions model** • ARTICLE
Transportation Research Part D: Transport and Environment, Volume 6, Issue 1, January 2001, Pages 37-60
Greg Marsden, Margaret Bell and Shirley Reynolds
Abstract

19. **Global design optimization for aerodynamics and rocket propulsion components** • REVIEW ARTICLE
Progress in Aerospace Sciences, Volume 37, Issue 1, January 2001, Pages 59-118
Wei Shyy, Nilay Papila, Rajkumar Vaidyanathan and Kevin Tucker
Abstract

20. **How dynamic is the Web?** • ARTICLE
Computer Networks, Volume 33, Issues 1-6, June 2000, Pages 257-276
Brian E. Brewington and George Cybenko
SummaryPlus | Full Text + Links | PDF (1118 K)

21. **System identification strategies applied to aircraft gas turbine engines** • ARTICLE
Annual Reviews in Control, Volume 24, 2000, Pages 67-81
V. Arkov, C. Evans, P. J. Fleming, D. C. Hill, J. P. Norton, I. Pratt, D. Rees and K. Rodríguez-Vázquez
Abstract

22. **A statistical model for estimating oxides of nitrogen emissions from light duty motor vehicles** • ARTICLE
Transportation Research Part D: Transport and Environment, Volume 4, Issue 5, September 1999, Pages 333-352
Ignatius Fomunung, Simon Washington and Randall Guensler
Abstract

23. **Event-based estimation of indicated torque for IC engines using sliding-mode observers** • ARTICLE
Control Engineering Practice, Volume 5, Issue 8, August 1997, Pages 1123-1129
Y-Y. Wang , V. Krishnaswami and G. Rizzoni
Abstract

23 Articles Found

pub-date > 1994 and engine performance and estimator and model

Edit Search | Save Search | Save as Search Alert

results **1 - 23**

Terms used **engine performance** and **estimator** and **model** Found **72,893** of **167,655**

Sort results by relevance

Display results expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next

Best 200 shown Relevance scale

1 Placement: Accuracy driven performance macromodeling of feasible regions during synthesis of analog circuits

Anuradha Agarwal, Glenn Wolfe, Ranga Vemuri

April 2005 **Proceedings of the 15th ACM Great Lakes symposium on VLSI**

Publisher: ACM Press

Full text available: pdf(109.72 KB) Additional Information: full citation, abstract, references, index terms

We propose an accuracy driven synthesis methodology for analog circuits. The proposed approach relies on macro-models for performance estimation and is thus orders of magnitude faster than simulation based synthesis techniques. Unlike existing macro-model based approaches, which use static models, our approach dynamically improves the accuracy of the model during synthesis to ensure true convergence. Our method is based on identifying and accurately modeling those regions in the design space whe ...

Keywords: analog synthesis, circuit sizing, performance modeling

2 An analog performance estimator for improving the effectiveness of CMOS analog systems circuit synthesis

Adrian Nunez-Aldana, Ranga Vemuri

January 1999 **Proceedings of the conference on Design, automation and test in Europe**

Publisher: ACM Press

Full text available: pdf(108.77 KB) Additional Information: full citation, citings, index terms

3 H/S Embedded Systems: Performance analysis with confidence intervals for embedded software processes

Per Bjuréus, Axel Jantsch

September 2001 **Proceedings of the 14th international symposium on Systems synthesis**

Publisher: ACM Press

Full text available: pdf(269.12 KB) Additional Information: full citation, abstract, references, citings, index terms

The choice of algorithms has a large impact on the performance of embedded real-time systems. Therefore, performance estimation of embedded software is vital in an early

design phase. Consequently, high-level estimation techniques have been devised, but the accuracy of the estimations vary a lot depending on the algorithm and its context. We address this problem by proposing an estimation technique that both estimates the performance and computes the expected accuracy. The accuracy is used to pr ...

4 Rendering: 3D graphics rendering time modeling and control for mobile terminals

Nicolaas Tack, Francisco Morán, Gauthier Lafruit, Rudy Lauwereins

April 2004 **Proceedings of the ninth international conference on 3D Web technology**

Publisher: ACM Press

Full text available: pdf(348.33 KB) Additional Information: full citation, abstract, references, index terms

3D graphics has found its way to mobile devices such as Personal Digital Assistants (PDA) and cellular phones. Given their limited battery capabilities, these devices typically have less computational resources available than their counterparts connected to a power supply. Additionally, the workload of 3D graphics applications changes very drastically over time. These different and changing conditions make the creation of 3D content a real challenge for the content creators.To allow the renderin ...

Keywords: MPEG-4 WSS, mobile terminals, rendering time control, rendering time modeling

5 A two-layer library-based approach to synthesis of analog systems from VHDL-AMS specifications

Alex Doboli, Nagu Dhanwada, Adrian Nunez-Aldana, Ranga Vemuri

April 2004 **ACM Transactions on Design Automation of Electronic Systems (TODAES)**, Volume 9 Issue 2

Publisher: ACM Press

Full text available: pdf(658.00 KB) Additional Information: full citation, abstract, references, index terms

This paper presents a synthesis methodology for analog systems described using VHDL-AMS language. Synthesis produces net-lists of analog components that are selected from a library, and sized so that specified objectives (like AC response, signal to noise ratio, dynamic range, area) are optimized. The gap between abstract specifications and implementations is bridged using a two-layered methodology. The first layer is architecture generation. The second layer is component synthesis and constrain ...

Keywords: Analog synthesis, VHDL-AMS, branch-and-bound, genetic algorithms, performance estimation

6 Advances in analog circuit and layout synthesis: Fast and accurate parasitic capacitance models for layout-aware

Anuradha Agarwal, Hemanth Sampath, Veena Yelamanchili, Ranga Vemuri

June 2004 **Proceedings of the 41st annual conference on Design automation**

Publisher: ACM Press

Full text available: pdf(121.59 KB) Additional Information: full citation, abstract, references, index terms

Considering layout effects early in the analog design process is becoming increasingly important. We propose techniques for estimating parasitic capacitances based on look-up tables and multi-variate linear interpolation. These models enable fast and accurate estimation of parasitic capacitances and are very suitable for use in a synthesis flow. A layout aware methodology for synthesis of analog CMOS circuits using these parasitic models is presented. Results indicate that the proposed synthesis ...

Keywords: analog synthesis, layout aware, parasitic estimation

7 Behavioral synthesis of analog systems using two-layered design space exploration
Alex Doboli, Adrian Nunez-Aldana, Nagu Dhanwada, Sree Ganesan, Ranga Vemuri
June 1999 **Proceedings of the 36th ACM/IEEE conference on Design automation**
Publisher: ACM Press
Full text available: pdf(165.35 KB) Additional Information: full citation, references, citings, index terms

8 Distributed stochastic discrete-event simulation in parallel time streams
Krzysztof Pawlikowski, Victor W. C. Yau, Don McNickle
December 1994 **Proceedings of the 26th conference on Winter simulation**
Publisher: Society for Computer Simulation International
Full text available: pdf(966.01 KB) Additional Information: full citation, references, citings, index terms

9 Functional partitioning improvements over structural partitioning for packaging constraints and synthesis: tool performance
Frank Vahid, Thuy Dm Le, Yu-Chin Hsu
April 1998 **ACM Transactions on Design Automation of Electronic Systems (TODAES)**, Volume 3 Issue 2
Publisher: ACM Press
Full text available: pdf(225.74 KB) Additional Information: full citation, abstract, references, citings, index terms

Incorporating functional partitioning into a synthesis methodology leads to several important advantages. In functional partitioning, we first partition a functional specification into smaller subspecifications and then synthesize structure for each, in contrast to the current approach of first synthesizing structure for the entire specification and then partitioning that structure. One advantage is the improvement in I/O performance and package count, when partitioning among hardware block ...

Keywords: behavioral synthesis, functional partitioning, system-level design

10 Modeling methodology for integrated simulation of embedded systems
Akos Ledeczi, James Davis, Sandeep Neema, Aditya Agrawal
January 2003 **ACM Transactions on Modeling and Computer Simulation (TOMACS)**, Volume 13 Issue 1
Publisher: ACM Press
Full text available: pdf(951.86 KB) Additional Information: full citation, abstract, references, citings, index terms

Developing a single embedded application involves a multitude of different development tools including several different simulators. Most tools use different abstractions, have their own formalisms to represent the system under development, utilize different input and output data formats, and have their own semantics. A unified environment that allows capturing the system in one place and one that drives all necessary simulators and analysis tools from this shared representation needs a common r ...

Keywords: Simulation, domain specific languages, metamodeling, model integrated computing, modeling, simulation integration

11 Comparing the performance of collection selection algorithms
Allison L. Powell, James C. French

October 2003 **ACM Transactions on Information Systems (TOIS)**, Volume 21 Issue 4
Publisher: ACM Press
Full text available: pdf(668.40 KB) Additional Information: full citation, abstract, references, citings, index terms

The proliferation of online information resources increases the importance of effective and efficient information retrieval in a multicollection environment. Multicollection searching is cast in three parts: collection selection (also referred to as database selection), query processing and results merging. In this work, we focus our attention on the evaluation of the first step, collection selection.In this article, we present a detailed discussion of the methodology that we used to evaluate an ...

Keywords: Collection selection, database selection, distributed information retrieval, distributed text retrieval, metasearch engine, resource discovery, resource ranking, resource selection, server ranking, server selection, text retrieval

12 Rapid Configuration and Instruction Selection for an ASIP: A Case Study
Newton Cheung, Jorg Henkel, Sri Parameswaran
March 2003 **Proceedings of the conference on Design, Automation and Test in Europe - Volume 1 DATE '03**
Publisher: IEEE Computer Society
Full text available: pdf(447.59 KB) Publisher Site Additional Information: full citation, abstract, index terms

We present a methodology that maximizes the performance of Tensilica based Application Specific Instruction-set Processor (ASIP) through instruction selection when an area constraint is given. Our approach rapidly selects from a set of pre-fabricated coprocessors/functional units from our library of pre-designed specific instructions (to evaluate our technology we use the Tensilica platform). As a result, we significantly increase application performance while area constraints are satisfied. Our ...

13 Efficient and accurate cost models for parallel query optimization (extended abstract)
Sumit Ganguly, Akshay Goel, Avi Silberschatz
June 1996 **Proceedings of the fifteenth ACM SIGACT-SIGMOD-SIGART symposium on Principles of database systems**
Publisher: ACM Press
Full text available: pdf(1.06 MB) Additional Information: full citation, references, citings, index terms

14 Automating parallel simulation using parallel time streams
Victor Yau
April 1999 **ACM Transactions on Modeling and Computer Simulation (TOMACS)**, Volume 9 Issue 2
Publisher: ACM Press
Full text available: pdf(194.69 KB) Additional Information: full citation, abstract, references, index terms

This paper describes a package for parallel steady-state stochastic simulation that was designed to overcome problems caused by long simulation times experienced in our ongoing research in performance evaluation of high-speed and integrated-services communication networks, while maintaining basic statistical rigors of proper analysis of simulation output data. The package, named AKAROA, accepts ordinary (nonparallel) simulation programs, and alll further stages of stochastic simulation shou ...

Keywords: distributed simulation, interprocess communication, output analysis methodology, parallel processing, parallel simulation, parallel time streams, spectral

analysis, speedup

15 Co-design architecture and synthesis: Compiler-directed customization of ASIP cores
T. Vinod Kumar Gupta, Roberto E. Ko, Rajeev Barua
May 2002 **Proceedings of the tenth international symposium on Hardware/software codesign**
Publisher: ACM Press
Full text available: pdf(629.06 KB) Additional Information: full citation, abstract, references, index terms

This paper presents an automatic method to customize embedded application-specific instruction processors (ASIPs) based on compiler analysis. ASIPs, also known as embedded soft cores, allow certain hardware parameters in the processor to be customized for a specific application domain. They offer low design cost as they use pre-designed and verified components. Our design goal is choosing parameter values for fastest runtime within a given silicon area budget for a particular application set. Pr ...

Keywords: ASIP, customization, embedded, soft cores

16 Business process modeling/reengineering: Customer relations management: service operations: using simulation to approximate subgradients of convex performance measures in service systems
Júlíus Atlason, Marina A. Epelman, Shane G. Henderson
December 2003 **Proceedings of the 35th conference on Winter simulation: driving innovation**
Publisher: Winter Simulation Conference
Full text available: pdf(321.13 KB) Additional Information: full citation, abstract, references

We study the problem of approximating a subgradient of a convex (or concave) discrete function that is evaluated via simulation. This problem arises, for instance, in optimization problems such as finding the minimal cost staff schedule in a call center subject to a service level constraint. There, subgradient information can be used to significantly reduce the search space. The problem of approximating subgradients is closely related to the one of approximating gradients and we suggest and c ...

17 Analysis methodology: Panel discussion on current issues in input modeling: panel on current issues in simulation input modeling
Russell R. Barton, Stephen E. Chick, Russell C. H. Cheng, Shane G. Henderson, Averill M. Law, Bruce W. Schmeiser, Lawrence M. Leemis, Lee W. Schruben, James R. Wilson
December 2002 **Proceedings of the 34th conference on Winter simulation: exploring new frontiers**
Publisher: Winter Simulation Conference
Full text available: pdf(319.82 KB) Additional Information: full citation, abstract, references, citings

In recent years, substantial progress has been made in the development of powerful new approaches to modeling and generation of the stochastic input processes driving simulation models. In this panel discussion, we examine some of the central issues and unresolved problems associated with each of these approaches to simulation input modeling.

18 Hierarchical constraint transformation using directed interval search for analog system synthesis
Nagu R. Dhanwada, Adrian Nunez-Aldana, Ranga Vemuri

January 1999 **Proceedings of the conference on Design, automation and test in Europe**
Publisher: ACM Press
Full text available: pdf(259.78 KB) Additional Information: full citation, citings, index terms

19 Research sessions: continuous queries and streams: Rate-based query optimization for streaming information sources
Stratis D. Viglas, Jeffrey F. Naughton
June 2002 **Proceedings of the 2002 ACM SIGMOD international conference on Management of data**
Publisher: ACM Press
Full text available: pdf(1.11 MB) Additional Information: full citation, abstract, references, citings, index terms

Relational query optimizers have traditionally relied upon table cardinalities when estimating the cost of the query plans they consider. While this approach has been and continues to be successful, the advent of the Internet and the need to execute queries over streaming sources requires a different approach, since for streaming inputs the cardinality may not be known or may not even be knowable (as is the case for an unbounded stream.) In view of this, we propose shifting from a cardinality-ba ...

20 Research session: DB and IR #1: An efficient and versatile query engine for TopX search
Martin Theobald, Ralf Schenkel, Gerhard Weikum
August 2005 **Proceedings of the 31st international conference on Very large data bases VLDB '05**
Publisher: VLDB Endowment
Full text available: pdf(442.21 KB) Additional Information: full citation, abstract, references, index terms

This paper presents a novel engine, coined *TopX*, for efficient ranked retrieval of XML documents over semistructured but nonschematic data collections. The algorithm follows the paradigm of threshold algorithms for top-k query processing with a focus on inexpensive sequential accesses to index lists and only a few judiciously scheduled random accesses. The difficulties in applying the existing top-k algorithms to XML data lie in 1) the need to consider scores for XML elements while aggreg ...

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next

Dialog DataStar

options | logoff | feedback | help

database | easy search

Advanced Search:

INSPEC - 1969 to date (INZZ)

limit

Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	engine ADJ performance AND estimator AND model	unrestricted	0	-

hide | delete all search steps... | delete individual search steps...

Enter your search term(s): Search tips ☐ Thesaurus mapping

whole document

Information added since: or: none
(YYYYMMDD)

search

Select special search terms from the following list(s):

- Publication year
- Classification codes A: Physics, 0-1
- Classification codes A: Physics, 2-3
- Classification codes A: Physics, 4-5
- Classification codes A: Physics, 6
- Classification codes A: Physics, 7
- Classification codes A: Physics, 8
- Classification codes A: Physics, 9
- Classification codes B: Electrical & Electronics, 0-5
- Classification codes B: Electrical & Electronics, 6-9
- Classification codes C: Computer & Control
- Classification codes D: Information Technology
- Classification codes E: Manufacturing & Production
- Treatment codes

WEST Search History

Hide Items | Restore | Clear | Cancel

DATE: Monday, November 28, 2005

Hide?	Set Name	Query	Hit Count
		DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=ADJ	
☐	L1	adibhatla.in. and (engine with performance) and model and estimator	1

END OF SEARCH HISTORY

Hit List

First Hit Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 6539783 B1

Using default format because multiple data bases are involved.

L1: Entry 1 of 1 File: USPT Apr 1, 2003

US-PAT-NO: 6539783
DOCUMENT-IDENTIFIER: US 6539783 B1

TITLE: Methods and apparatus for estimating engine health

DATE-ISSUED: April 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Adibhatla; Sridhar	West Chester	OH		

US-CL-CURRENT: 73/118.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw. Desc | Image

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Term	Documents
ADIBHATLA	29
ADIBHATLAS	0
ENGINE	349006
ENGINES	147692
PERFORMANCE	991126
PERFORMANCES	38098
MODEL	545382
MODELS	173350
ESTIMATOR	15081
ESTIMATORS	3347
(((ADIBHATLA.IN.) AND ESTIMATOR) AND (PERFORMANCE WITH ENGINE) AND MODEL).PGPB,USPT.	1
(ADIBHATLA.IN. AND (ENGINE WITH PERFORMANCE) AND MODEL AND ESTIMATOR).PGPB,USPT.	1